

I claim:

1. A door hinge assembly comprising

(a) a door frame assembly having a first side, a second side, a third side, and a fourth side, wherein the first side is positioned opposite the third side, the second side is  
5 connected to the first side and the third side, and the fourth side is positioned opposite the second side and connected to the first side and the third side;

(b) a first female hinge, a second female hinge, and a third female hinge, each comprising a hollow mounting block having an opening at the top and bottom of the mounting block;

10 (c) a male hinge comprising a mounting block having a top end and a bottom end and a pivot rod extending out of the top end of the mounting block,

(d) an access door having a pivot axis, and

(e) a hinge pin,

wherein the first female hinge is mounted within the second side of the door frame  
15 assembly, the second female hinge and third female hinge are mounted along the pivot axis of the access door, and the male hinge is mounted within the fourth side of the door frame assembly.

2. The door hinge assembly of claim 1 wherein the first female hinge mounted  
within the second side of the door frame is aligned with the second female hinge mounted  
20 along the pivot axis of the access door and the third female hinge mounted along the pivot axis of the access door is aligned with the male hinge mounted within the fourth side of the door frame.

3. The door hinge assembly of claim 2 wherein the hinge pin is inserted through the first female hinge and the second female hinge in order to maintain alignment of the first female hinge with the second female hinge.
4. The door hinge assembly of claim 2 wherein the pivot rod of the male hinge is  
5 inserted into the opening at the top of the mounting block of the third female hinge in order to maintain alignment of the male hinge and the third female hinge.
6. The door hinge assembly of claim 1, wherein a hollow spacer encircles the opening at the top of the mounting block of the female hinge.
7. The door hinge assembly of claim 6, wherein the hollow spacer is integral with  
10 the mounting block of the female hinge.
8. The door hinge assembly of claim 1, wherein the opening of female hinge is located only at the top of the mounting block.
9. The door hinge assembly of claim 1, wherein the male hinge has a spacer attached to the top end of the mounting block and the pivot rod extends out of the top end of the  
15 mounting block and the spacer.
10. The door hinge assembly of claim 9, wherein the spacer is integral with the mounting block.
11. The door hinge assembly of claim 1, wherein the hinge pin is L-shaped.
12. A access door and frame assembly, comprising  
20 (a) a door frame assembly having a first side, a second side, a third side, and a fourth side, wherein the first side is positioned opposite the third side, the second side is connected to the first side and the third side, and the fourth side is positioned opposite the second side and connected to the first side and the third side;

- (b) an access door having a pivot axis;
- (c) a first female hinge, a second female hinge, and a third female hinge, each comprising a hollow mounting block having an opening at the top and bottom of the mounting block, wherein the first female hinge is mounted within the second side of the door frame assembly and the second female hinge and the third female hinge are mounted along the pivot axis of the access door;
- (d) a male hinge comprising a mounting block having a top end and a bottom end and a pivot rod extending out of the top end of the mounting block, wherein the male hinge is mounted within the third side of the door frame assembly; and
- (e) a hinge pin,
- wherein the access door is mounted within the frame by aligning the third female hinge with the male hinge and aligning the first female hinge with the second female hinge and the placing the hinge pin through the openings of the first and second female hinges.
13. The access door and frame assembly of claim 12 wherein the door and frame are located within the side of a utility truck body.
14. The access door and frame assembly of claim 13 wherein the access door is flush with the side of the utility truck body.
15. The access door and frame assembly of claim 12 wherein the access door further comprising a latching mechanism.
16. The access door and frame assembly of claim 15 wherein the latching mechanism is capable locking the access door into a closed position.

17. The access door and frame assembly of claim 12 wherein the hinge pin is inserted through the first female hinge and the second female hinge in order to maintain alignment of the first female hinge with the second female hinge.
18. The access door and frame assembly of claim 12 wherein the pivot rod of the  
5 male hinge is inserted into the opening at the top of the mounting block of the third female hinge in order to maintain alignment of the male hinge and the third female hinge.
19. The access door and frame assembly of claim 12, wherein a hollow spacer encircles the opening at the top of the mounting block of the female hinge.
20. The access door and frame assembly of claim 19, wherein the hollow spacer is  
10 integral with the mounting block of the female hinge.
21. The access door and frame assembly of claim 12, wherein the opening of female hinge is located only at the top of the mounting block.
22. The access door and frame assembly of claim 12, wherein the male hinge has a spacer attached to the top end of the mounting block and the pivot rod extends out of the  
15 top end of the mounting block and the spacer.
23. The access door and frame assembly of claim 22, wherein the spacer is integral with the mounting block.
24. The access door and frame assembly of claim 12, wherein the hinge pin is L-shaped.
- 20 25. A truck utility body comprising  
at least two parallel boxes connected by a floor, wherein each box comprises at least one storage compartment, each storage compartment having at least one access door and frame assembly, the access door and frame assembly further comprising

- (a) a door frame assembly having a first side, a second side, a third side, and a fourth side, wherein the first side is positioned opposite the third side, the second side is connected to the first side and the third side, and the fourth side is positioned opposite the second side and connected to the first side and the third side;
- 5 (b) an access door having a pivot axis;
- (c) a first female hinge, a second female hinge, and a third female hinge, each comprising a hollow mounting block having an opening at the top and bottom of the mounting block, wherein the first female hinge is mounted within the first side of the door frame assembly and the second female hinge and the third female hinge are mounted
- 10 along the pivot axis of the access door;
- (d) a male hinge comprising a mounting block having a top end and a bottom end and a pivot rod extending out of the top end of the mounting block, wherein the male hinge is mounted within the third side of the door frame assembly; and
- (e) a hinge pin.
- 15 26. The utility body of claim 25, wherein the access door is mounted within the frame by aligning the third female hinge with the male hinge and aligning the first female hinge with the second female hinge and the placing the hinge pin through the openings of the first and second female hinges.
27. The utility body of claim 25 wherein the access door is flush with the side of the
- 20 utility body.